



Sheet 1 of 4

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 7175-73257	SERIAL No. 10/633,823
	APPLICANT Richard H. Heimbrock, et al.	
	FILING DATE August 4, 2003	GROUP Unknown

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
R.J.	AA	239,664 A	Apr. 5, 1881	Nash	297	19	
	AB	299,670 A	Jun. 3, 1884	Nash	297	19	
	AC	354,579 A	Dec. 21, 1886	Pfeiffer	5	626	
	AD	694,353 A	Mar. 4, 1902	Clifton	5	116	
	AE	984,374 A	Feb. 14, 1911	Jardin	5	154	
	AF	1,344,088 A	Jun. 22, 1920	Lundborn	5	626	
	AG	1,884,552 A	Oct. 25, 1932	Bradley	5	100	
	AH	1,900,478 A	Mar. 1933	Zimmermann	5	100	
	AI	1,907,298	May, 1933	Kroll	5	100	
	AJ	2,478,028 A	Aug. 1949	Travis	5	100	
	AL	2,799,869	Jul. 1957	Leone, et al.	5	430	
	AM	2,871,490 A	Feb. 1959	Balonick	5	430	
	AN	2,976,548	Mar. 1961	Maertins	5	430	
R.J.	AL	3,012,253	Jan. 13, 1960	Hamilton	5	100	

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
R.J.	AM	CA 1031505	May 1978	Canada			
R.J.	AN	DE 1954076	May 1971	Germany	5	100	
R.J.	AO	DE 3510707	Oct. 1986	Germany	5	425	
R.J.	AP	GB 430276	Jun. 1935	Great Britain			
R.J.	AR	GB 637951	May 1950	Great Britain	5	100	

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AS
	AT
	AU
	AV
	AW
	AX

Examiner <i>Robert E. Santos</i>	Date Considered <i>February 8, 2004</i>
-------------------------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.  
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 2 of 4

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 7175-73257		SERIAL No. 10/633,823	
				APPLICANT Richard H. Heimbrock, et al.			
				FILING DATE August 4, 2003		GROUP Unknown	
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
RS	BA	3,063,066 A	Nov. 13, 1962	Peck, et al.	5	429	
	BB	3,345,653 A	Oct. 10, 1967	Mixon	5	97	
	BC	3,351,961	Nov. 1967	Daniels, et al.	5	430	
	BD	3,419,922 A	Jan. 1969	Malherbe	5	430	
	BE	3,641,598 A	Feb. 1972	Feldstein	5	100	
	BF	3,763,507 A	Oct. 9, 1973	Propst	5	100	
	BG	3,896,514 A	Jul. 1975	Feldstein	5	100	
	BH	3,921,233 A	Nov. 25, 1975	Mann	5	97	
	BI	3,930,273 A	Jan. 1976	Stern	5	430	
	BJ	4,215,446 A	Aug. 1980	Mahoney	5	425	
	BK	4,226,452 A	Oct. 1980	Hoffman, et al.	5	100X	
RS	BL	4,439,880 A	Apr. 1984	Koncelik, et al.	5	425X	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
RS	BM	GB 1094692	Dec. 1967	Great Britain			
RS	BN	WO 98/58570	Dec. 1998	WO			
	BO						
	BP						
	BR						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BS						
	BT						
	BU						
	BV						
	BW						
	BX						
	BY						
	BZ						
Examiner <i>Robert G. Santos</i>					Date Considered <i>February 8, 2004</i>		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



Sheet 3 of 4

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 7175-73257		SERIAL No. 10/633,823	
				APPLICANT Richard H. Heimbrock, et al.			
				FILING DATE August 4, 2003		GROUP Unknown	

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
R.S.	CA	4,530,528 A	Jul. 1985	Shamie	5	100X	
	CB	4,653,129 A	Mar. 1987	Kuck, et al.	5	400	
	CC	4,706,312 A	Nov. 1987	Shamie	5	100X	
	CD	4,752,977 A	Jun. 1988	Smith, et al.	5	92.1	
	CE	4,827,545 A	May 1989	Arp	5	424	
	CF	5,044,025 A	Sept. 1991	Hunsinger, et al.	5	424	
	CG	5,068,935 A	Dec. 1991	Hagopian	5	425X	
	CH	5,097,550 A	Mar. 1992	Marra, Jr.	5	424	
	CI	5,146,632 A	Sept. 1992	Li	5	100	
	CJ	5,175,897 A	Jan. 1993	Marra, Jr.	5	425	
R.S.	CK	5,191,663 A	Mar. 1993	Holder, et al.	5	424	

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
	CL						
	CM						
	CN						
	CO						
	CP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)	
	CR
	CS
	CT
	CU
	CV
	CW
	CX
	CY
	CZ

Examiner <i>Robert B. Santos</i>	Date Considered <i>February 8, 2004</i>
-------------------------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.  
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 7175-73257	SERIAL No. 10/633,823
	APPLICANT Richard H. Heimbrock, et al.	
	FILING DATE August 4, 2003	GROUP Unknown

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
RS	DA	5,317,770 A	Jun. 7, 1994	Sakurai	5	625	
	DB	5,511,257 A	Apr. 30, 1996	Hannes	5	100	
	DC	5,745,936 A	May 1998	Van McCutchen, et al.	5	425X	
	DD	5,802,634 A	Sep. 8, 1998	Onishi, et al.	5	93.2	
	DE	5,806,111 A	Sep. 1998	Heimbrock, et al.	5	86.1	
	DF	5,878,452 A	Mar. 1999	Brooke, et al.	5	428	
	DG	5,898,964 A	May 1999	Stanley	5	425X	
	DH	6,185,767 B1	Feb. 2001	Brooke, et al.	5	425X	
	DI	6,446,283 B1	Sep. 2002	Heimbrock, et al.	5	425	
RS	DJ	2003/0019035 A1	Jan. 2003	Heimbrock, et al.	5	428	
	DK						

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes No
	DL					
	DM					
	DN					
	DO					
	DP					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	DR
	DS
	DT
	DU
	DV
	DW
	DX
	DY
	DZ

Examiner <i>Robert E. Santos</i>	Date Considered <i>February 8, 2007</i>
-------------------------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.  
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/21 (09-03)

Approved for use through 07/31/2008. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/633,823	
	Filing Date	August 4, 2003	
	First Named Inventor	Richard H. Heimbrock, et al.	
	Art Unit	Unknown	
	Examiner Name	Unknown	
Total Number of Pages In This Submission	7	Attorney Docket Number	7175-73257

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	PTO Form 1449 (4 pages)
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Dillip A. Kulkarni
Signature	
Date	October 22, 2003

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the			
Typed or printed name	Von Leigh Willson	Date	October 22, 2003
Signature			

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.